

IGLUS Executive Master's Programme

What is IGLUS?

IGLUS is an action-research program that seeks to contribute to the better governance of increasingly larger, complex and dynamic urban systems. We have a special focus on the governance of urban infrastructure systems, namely transport, energy, blue (water, wastewater), green, and brown (buildings) infrastructure, increasingly permeated by digitalization. The program has a problem focus as well as a resolutely interdisciplinary and action-oriented approach.



How is the Program Structured?

IGLUS is structured into a series of two-week intensive action-learning modules in major metropolitan areas across the globe. During these learning expeditions, we bring together all relevant stakeholders of urban governance, to provide a comprehensive understanding of urban governance issues. Modules take place approximately every other month in a major metropolitan area in Europe, the Americas, Africa and Asia.



- Lyon
- Dortmund
- Istanbul
- Delhi
- Kuala Lumpur
- Singapore
- Seoul
- Nairobi
- NYC
- Detroit
- Mexico
- Bogota
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IGLUS
INNOVATIVE GOVERNANCE
OF LARGE URBAN SYSTEMS

EPFL

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networkindustries

quarterly

Network Industries Quarterly, Vol. 22, issue 3, 2020 (September)

“Sector Coupling: How to Regulate Convergence?”

Presentation of the next issue

In the next issue we would like to explore the **link between the different infrastructure sectors, especially in terms of regulating interfaces between the sectors, as well as regulating more integrated and converging sectors.**

Historically most infrastructures have developed independently from one another and constitute self-contained socio-technical systems. This is, for example, the case of electricity, of gas, of telecommunications, of air transport, and also of railways. Consequently, regulation was set up in a self-contained, sector-specific manner.

However, this way of doing things cannot continue into the future, as the different infrastructure sectors are converging. There are several reasons for this. First, the technological and economic dynamics triggered by liberalisation have led to new technologies, often at the interface of the different sectors (e.g., power-to-gas), along with corresponding cross-sectoral business strategies.

Convergence also results from recent developments of digital networks (and, in particular, of the fifth generation of wireless technologies, the 5G) which increasingly act as drivers of convergence between sectors, leading to cross-sectoral and much more integrated infrastructures services (e.g., ‘Mobility-as-a-Service’ or MaaS). The take-off of the Internet of Things (IoT), based on 5G networks, which is considered to be the next Industrial Revolution, is expected to accelerate this trend.

Finally, climate and other ecological challenges force a direct comparison between different sectors, such as in the case of externalities caused by energy generation (by renewables or by fossil fuels) or by the different transport models.

For all three reasons, a more convergent view of the different network industries is rapidly emerging ... but will it translate into converging regulation or even into the regulation of this convergence?

The next issue of the Network Industries Quarterly will be dedicated to **some of the best papers presented at the [Ninth Conference on the Regulation of Infrastructures](#)**, organised by the Transport Area of the Florence School of Regulation in June 2020.

OPEN CALL FOR PAPERS

Implementation of the liberalization process has brought various challenges to incumbent firms operating in sectors such as air transport, telecommunications, energy, postal services, water and railways, as well as to new entrants, to regulators and to the public authorities.

Therefore, the Network Industries Quarterly is aimed at covering research findings regarding these challenges, to monitor the emerging trends, as well as to analyze the strategic implications of these changes in terms of regulation, risks management, governance and innovation in all, but also across, the different regulated sectors.

The Network Industries Quarterly, published by the Chair MIR (Management of Network Industry, EPFL) in collaboration with the Transport Area of the Florence School of Regulation (European University Institute), is an open access journal funded in 1998 and, since then, directed by Prof Matthias Finger.

ARTICLE PREPARATION

The Network Industries Quarterly is a multidisciplinary international publication. Each issue is coordinated by a guest editor, who chooses four to six different articles all related to the topic chosen. Articles must be high-quality, written in clear, plain language. They should be original papers that will contribute to furthering the knowledge base of network industries policy matters. Articles can refer to theories and, when appropriate, deduce practical applications. Additionally, they can make policy recommendations and deduce management implications.

Detailed guidelines on how to submit the articles and coordinate the issue will be provided to the selected guest editor.

ADDITIONAL INFORMATION

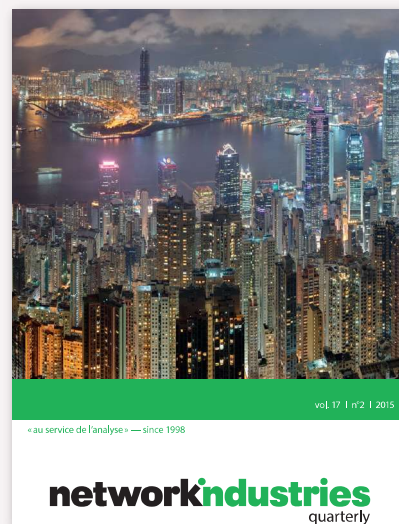
MORE INFORMATION

- network-industries.org
- mir.epfl.ch
- florence-school.eu
- ic4r.net

QUESTIONS / COMMENTS?

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Published four times a year, the **Network Industries Quarterly** contains short analytical articles about postal, telecommunications, energy, water, transportation and network industries in general. It provides original analysis, information and opinions on current issues. Articles address a broad readership made of university researchers, policy makers, infrastructure operators and businessmen. Opinions are the sole responsibility of the author(s). Contact fsr.transport@eui.eu to subscribe. Subscription is free.



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